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On the Diagnosis of disease, and the importance of distinguishing a state of baciliment in the circulation, from one of Inflammation. By Ibalter Immrille of Ninginia.

Paped March 22 1826

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Inversewing the multifarius, extensive, and interesting subjects, relative to the second of the great importance of them all, and of the imperious alteration, which they do mand of its sometimes attention, which they do when on the different branches of over second to each other on the different branches, of over seconds, that a project howelday of the ones, we unattained without a project howelday of the colorion with the other, but the constitutions of the colorion with the thou, but the constitutions of the colorion which they multiplied to all the which they coupling different which they coupling different

Among the many sudjects embraced within the circle of our science, there is not one in the whole catalogue, which more strongly demands over attention, or upon which more strongly demands over attention, or upon which, over success in the treatment of disease more alfonds, than that of Deagnoris, or the symptoms by

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which we distinguish disease . It is here, that an acquaint ance with the different branches of our profession is called into requisition, here the whole of our knowledge must and it is here, more than in the exercise of any other part of our projection, that we are caused to lament the imperfection of our art. In proportion therefore to the difficulty and importance of the subject, should be our exertion to vender it familiar. It is our oped in the present inquiry, to review the different means to which we resort for distinguishing disease. For the attainment of this end, an acquaintance with the symptoms of particular diseases, will intuitively strike us, as being one of the primary and most efential requisites; and to become acquainted with the symptoms of disease it will be necessary in the first place, to study them as they have been detailed by the most respectable writers.

among the many celebrated authors, distinguished

ter Tale ha laid tion use o ina but experience hex to an -sas v, an the reales In the accuracy by which they have adapted the symptems of disease, and pointed out their pathognomic characteristics, the utilitations and immedial button surdoutedly diseases the superiority. To a amound by nature regions and comprohensive, were united sound judgment and associaminate united sound judgment and associaminate mondolific with remarkable powers of observation and office tion talonts such as these are seldern to be unit

with and may a overly conventrative in the same individual. Give see to the symptems which he has boid element and apisted by our own elementers with a superfact the major care which hafte the menters have been any vicious of the hafte the menters betweened and just covers.

Note to an acquaintance with the symptoms of eisecus, an accurate knowledge of Anatomy is of the greatest emportance, in forming an accurate dragness. By its opistance, we are anablest to extent and comprehense the anomalous forms of diseases.

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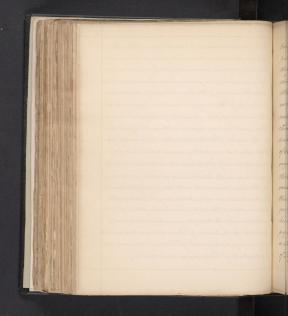
action which so frequently possent themselves. By it, we can comprehend, why different or gans, and parts the medium of sympathy more affected than then apistance we can readily concine in what manner, entergements of the pancreas, produce a constipation of the bowels, romiting, and great uneasing, imme diately after taking ford be, in consequence of its prepure on the duodenum Deprined of its aid, affections many of which have their origin in the stomach, but through the influence of the norses, extend their power to the brain Indeed without an acquaintance with the structure and formation of the human system, the suonce of Medicine would be not only a usules but a dangerous art. involved in obscurity and empyricism. among the onethods to which we resort for distin



quishing disease, the state of the pulse, is not the least valuable. The intimate connection existing between the bloodrepels and the rest of the system, immediately convinces us that the one cannot be disordered without a corresponding affection of the other. In addition to these means we may add, an examination of the dif fount excellions of the body, as the faces which are altered either in color or consistence in a variety of diseases, the matter expectorated in pulmonary affections, the sum in dropsy, and various other diseases of the chest. These are the most important means to which were soil for distinguishing disease, but a variety of Muchanical means were introduced by the ancients, some of these have been constantly in use while others have been recently revised by modern practitioners; by Mr Laconnec, Rescupion of the chest is a method

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full of air, and if no foreign body, either soled or fluid, occupy the interior of the thoracic carity, the sound produced by the perculsion has been compared to that proceeding from an emply barrel when struck of the carties of the thorax or both, the praneties give to the extent so occupied, a sound which has been in the same manner, or with the flat of the hand. mensuration of the chest, Betwal audition or aus -cultation. The Hethescope; an instrument recently invented by m. Saennee of Paris, appears to be valuate in forming a diagnosis of Rectoral diseases, and particularly of Rulmonary consumption.



basemuations with the hand should met beneglistice, particularly endurance of the abdominate incera. They promone of correct value document interest in an extraories, affections of the document interest of a clienter. When we have affected a most correct the matter of a clienter, we have offected a most correct benefit of and the method of the document in them for the most functions, which are of the abdomate in them for the most functions of clearly in decated, but write the is accomplished at what he best to clearly from any regress, mothered

of treatment. In the attainment therefore of this important and let in being ent occupantion all the arreview of your art, it is occale tomina, the great of forms of everations and expensions, and if these will not available in the have account to the judgment of others.

Sementy alliet to the subject before usine have throught propie to introducesthe importance of distinguishing a state of Excilement in the circulation from one of buformanation. It is we often med with causalian

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at first appear to be attended with every symptom of acute practitioner will admit. This distinction between a state of excitement in the circulation, and one of inflamma tion has hithorto claimed little attention, and while many practitioners have been well acquainted with those two conditions of the circulation and acted upon a connotion of their existence syd we betwee that no particular aton tion has been bestoued on this subject by any other writer than chamstrong, who briefly takes notice of it. While every one at all acquainted with the principles of our summercial readily admit the importance of this requires the greatest judgment, and discremenation. to form a distinction with precision. a forcible Mustra related in the medical Recorder. The late Doct Mistar.

a timer is 1. tedly B. dog h. le star a to man in run of of the an 0.200 aterad adand tat by co

of Edenburgh, was concerned in some experiments on trans the minds of medical characters in many parts of Europe at a time when one of those experiments was instituting, a gortleman of eminence then a lecturer in Edinburgh probably Doctor biken, unox pectedly came in to observe what was going on. lbustar and the rest of his fellow students present, agreed to conceal this circumstance from their visitor, and to enguer of him for their own dirersion what was the state of the animals circulation. The question being put the Doct stepped up, drew his glove, and with an air of selementy placed his hands on the therax and after a short oxamination of the actions of the heart decland the dog to be in a high otherice Mate Vias Be

Mobilithstanding this acknowledged difficulty we think that by careful altertion and a project acquaint ance

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with those two conditions of the system that a distinction may be formed. In inflammation, the pulse is quich, frequent, full, and hard, and there is pain in a partie - war part. In excitement likewise we find the pulse very nearly in the same state, but there is an absence of pain in a particular part. Hence the chief difference seems not to consist in the state of the general cerculation but in that of particular parts. The action of the heart and arteries is alike augmented in each, but there is in inflammation a greater local accumulation of blood, than in simple excitement. In inflammation we will generally find congestions of blood exist ing in the capillary repets, while we believe that in excitement the action of these refels is increased. From the experiments of Milson Philip on the fin of the lamproy, the ear, mesentory be of the rabbit it appears to be clearly established, that the state of the refels tention, and debility, while that of the larger repels is

in the ile th bern teaso longit - secres, decitie finte turace orneas appear

entirely the sevene. Unapested by glapes we readily hereise that they do not suffer a similar distention, and the increased pulsation of the artones sufficiently ennes their increased action It was endent from these exper ements, that inflammation although it commences in the capillary refels, if it continues, the circulation in the smaller refels being obstructed by their debit ily those immediately preceding them will soon begin to be distended and consequently, debilda ted, so that in inflammations which have lasted long, the refuls preceding the capillaries in the caux of the circulation as well as the capillaries them selves, are distanced. Uhen the larger asteries are debilitated and consequently distended in the first instance, the disease which may be termed turniscence, or partial plethora, is of a nature very different from inflammation in this case there is little or no accumulation of blood in the capillaries as appears from their being pale or only dightly turger,

The V. Inder the the with the (be the ariov orfer. will be capola the 140 The ni attop from the delititated state of the larger of self-lang to read to occasion protomational distinction in them, for the one case the action of the capillaries is used compared with that of the larger offeld in the the other action of the larger aefold compared with that of the capillaries in the the action of the larger aefold compared with that of the capillaries?

the think it probable that the pain in englammation are former probable from congestion in the capitage of the part, thereby producing compagition in the assistance of the part, the securities we remarked compagined by the fact that the securities most offerinal for advance the pain en inflammation are such as will be fruit to pain en inflammation security counts in the manner. For inflammation security counts in the adultity of the capitarist followed by an increase at the capital are of the larger apply, and is terminative as seen as the capitalists on its commentation as the capitalists are so for excitationary the larger articles are the capitalists on its former than the capitalists are so for excitationary the larger articles are for unacherous by the preternature.



action of the latter, that the power of the capitlaries, is in due proportion, to the vis a torgo; and by abstracting blood from the general circulation, an equal action is restored between the arteries and the capillary refels, the ris a torgo is deminished, and the cap illanes of the inflamed part have an opportu mity of untoading themselves . But we do not wish to refer the operation of benesection altogether to this specific action on the whole system of a far supe nier and more important character than that which we have just considered. This operation is of so peculiar a nature as to be in some degree inexpil cable, while many of its effects are perfectly encome such as removing the phlooistic deathesis of the system, aboting the action of the heart and ar tenes, and occasioning the process of verulsion. But that wis insitably which is subdued the mortid apociation of diseased action, is of a

lar refer sta des Her 600 Jan in is A to action which protec inferor as quer whoha get who for suprin naturals what we should a princewine of is the which sended however times seming a remote in the therefullic sciences and which constitute it, the magnum donum 2 is?

To return from this digrepion to the confirmation of our position, that the remedies most effectual in reliening local pain are such as act on the capit lary refuls, the next remedy which we shall mention is blisten. These it is endent have the effect of mit igating pain by exciting the capillary refels to action through the medium of the initation which they induce. Having mentioned the most efficient remedies for the alleriation of local pain and endeavored to explain in what manner they produce their effects we shall overlook those of an inferior though highly important character such as purgatives, diaphoretics, cold applications, bl. which although they operate on the system at lange, yet extend their influence also to that system of

about 9 Hardo La vilia town have be 100 4 10 The buy du stion whicha between hartan ger wale mount we shall

repole to which we have prequently alluded. another di familiar to us all, that it will be unnecepary. to describe them minutely, particularly as they the buffy coat although not an infallible in decation of inflammation, yet it is an indence which will serve as an important distinction hard and charded state of the pulse, which though generally attendant whom inflammation seldom or never exists in excitement.

By a series of the different symptoms of inflammation we shall find, that next to the pulse, the existence



of local pain constitutes one of the most certain di be have now we believe mentioned the most impor tant means by which we can distinguish there different state of the circulation; and we think that by calling to our aid all thou different resources, viz the state of the pulses the existence or absence of local pain the appearances of the blood drawn, It that this important distinction may be formed. But in this case as well as in forming a distinction between diseases generally, let us everbear in mind, the import-ance of ascertaining with some degree of certain ty the nature of the case before us, let is ever remember, that it would be better to entrust the case to the vis medicatrix nature, than resort to rig orous and doubtful measures; and let this maxim be over present with us "Anceps remedium peyor

